digital™ MATERIAL SAFETY DATA SHEET

EPOXY RESIN PT.B FOR CONSUMABLE KIT Pg.1 A-SP-ELMD018-AA-0 Rev A.

SECTION 1 - PREPARATION/PRODUCT INFORMATION

Manufacturer's Name: Digital Equipment Corporation Maynard, MA USA

Non-Emergency Phone Number: (508) 496-9242

Emergency Phone Numbers: 800-228-5635 ext.123
[+1] 612-221-3999 ext.123

Preparation Date: March 4, 1992

Supersedes: April 20, 1990

Product Name: Epoxy Resin Pt.B (Amber) For Consumable Kit
Use: Connecting Optic Cable

Part Number(s): H8102-AB, H8102-AC

SECTION 2 - INGREDIENTS

HAZARDOUS INGREDIENTS	CAS	%	ACGIH TLV	OSHA PEL	CARCINOGEN LIST IARC	CARCINOGEN LIST NTP	CARCINOGEN LIST OSHA	SARA 313
Silica, Amorphous	7631–86–9	3	10 mg/m³	6 mg/m³	NO	NO	NO	NO
Triethylene–Tetramine	112–24–3	19	None					
OTHER INGREDIENTS								
Polyamide–Resin	37189–83–6	78	Not Applicable					

All chemicals contained in this product are on the US TSCA inventory.

SECTION 3 - PHYSICAL AND CHEMICAL DATA

Boiling Point - 277°C (531°F)
Vapor Density - >1 (air=1)
Appearance - Amber liquid
Freezing Point - Not available
Solubility in Water - ~20%
Evaporation Rate -<0.01
Specific Gravity - 0.98 (water = 1)
pH - Not available
Vapor Pressure - <0.01 mmHg
Percent Volatile - Not available
Melting/Softening Point - Not applicable
Odor and Odor Threshold - Ammonia odor

SECTION 4 - FIRE AND EXPLOSION HAZARD

Auto-Ignition Temperature - Not available
Hazardous Combustion Products - Carbon monoxide, carbon dioxide, oxides of nitrogen, aldehydes, organic acids and undetermined organics
Unusual Fire or Explosion Hazards - Dense smoke and toxic gases may be produced upon combustion
Flammable Limits - Not available
Special Fire Fighting Procedure - Use self contained breathing apparatus when fighting fires in confined areas
Flash Point - 129°C (265°F)
Extinguishing Media - Dry chemical, or halon fire extinguisher, water spray, fog, foam

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SECTION 5 - REACTIVITY DATA

Conditions to Avoid - Avoid mixing resin and curing agent in batches greater than one pound total. Do not heat material unless curing surfaces to be bonded. Failure to observe cautions may result in release of toxic gases.

Incompatibility - Strong oxidizing agents, strong Lewis acids mineral acids
Stability - Stable
Hazardous Decomposition Products - Not available
Hazardous Polymerization - May occur

SECTION 6 - HEALTH HAZARD DATA/TOXICOLOGICAL PROPERTIES

Hazard to Humans- Primary route of exposure is dermal. Corrosion to skin and eyes may occur. Repeat exposure may cause dermal sensitization.
Animal Experiment- (Based on ingredients)
Acute- Oral LD50- N.D.; Dermal LD50- N.D.; Inhalation LC50- N.D. Corrosive to the skin and eyes.
Chronic/Other- A dermal bioassay in mice has shown triethylenetetramine to not be carcinogenic. The data suggest that triethylenetetramine may be teratogenic. Triethylenetetramine is mutagenic in vitro. Information on in vivo mutagenicity is not available.
Additional Information- The TLV^{R} for silica has been established for total dust.

SECTION 7 - EMERGENCY/FIRST AID PROCEDURE

If Inhaled - Not applicable
If on Skin - Promptly wash skin with soap and water. If irritation persists, contact a physician. Do not use other solvents to remove material from skin.
If in Eyes - Flush eyes with large quantities of water for at least 15 minutes. Contact a physician.
If Swallowed- Seek immediate medical attention.

SECTION 8 - SAFE HANDLING/PREVENTIVE MEASURES

Personal Protective Equipment - Safety glasses with side shields or goggles are required.
Engineer Control - Not needed.
Waste Disposal - Cured product is non-hazardous. No special requirements.
Procedures for Leaks or Spills- Scrape up and transfer to metal container for disposal. Use rag or paper towel and detergent to clean residue.
Work Practices - Wear impervious plastic or rubber gloves included in package.
Storage Requirement- Store in a cool dry place. Do not mix in batches of greater than one pound total. Follow recommended curing procedures.
Handling Procedure/Equipment- None
Labelling- US: Corrosive; Sensitizer
WHMIS Classification- Class D Division 2 Subdivision B; Toxic Class E-Corrosive

SECTION 9 - TRANSPORTATION REQUIREMENTS

Epoxy Resin Parts A and B are shipped as a single kit. Requirements below are for the kit.
Proper Shipping Name- Triethylenetetramine (IATA/ICAO,IMO), "This package conforms to conditions and limitations specified in 49CFR 173.4." Shipper/Consignee "This Side Up" on top. (U.S. DOT)
Hazard Class- Corrosive, 8 (IATA/ICAO, IMO) Identification Number- UN 2259 (IATA/ICAO, IMO)
RQ- Not applicable Packing Group- II (IATA/ICAO, IMO)

MSDS SATISFIES OSHA AND WHMIS REQUIREMENTS